



National
Aeronautics and
Space
Administration

Patent Application
NPO 20821-1-CU
(NASA Case No.)

15868 U.S. PTO
10/612442
06/30/03

Letter Transmitting Patent Application

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application
THE COMMISSIONER OF PATENTS AND TRADEMARKS
P.O. Box 1450
Alexandria VA 22313-1450
Sir:

Transmitted herewith for filing is the Patent Application of:

Applicant: Yu Wang
Inventor(s):

Entitled:

Multifrequency Ultra-High Resolution Miniature Scanning Microscope Using Microchannel and Solid-State Sensor Technologies and Method for Scanning Samples

Enclosed are:

Specification and claims 12 sheets of drawing
 Declaration Power of Attorney
 Assignment of the invention to the National Aeronautics and Space Administration
 License of the invention to the National Aeronautics and Space Administration
 Application Data Sheet
 Preliminary Amendment
 Information Disclosure Statement
 Nonpublication Request and Certification (PTO/SB/35 or equivalent)
 International application under the PCT (see PCT/RO/101,XII checklist)

The fee has been calculated as shown below:

| FOR (1) | CLAIMS FILED | | | RATE (4) | FEE (5) |
|-------------------------------------|-----------------|------------------------|------------------|-------------|------------|
| | PAID FOR (2) | NUMBER EXTRA (3) | | | |
| TOTAL CLAIMS | 21 | - 20 = 1 | × 18.00 | = 18.00 | |
| INDEPENDENT CLAIMS | 8 | - 3 = 5 | × 84.00 | = 420.00 | |
| BASIC FEE (Minimum amount required) | | | | | |
| | | | TOTAL FILING FEE | 438.00 | |

Please charge our Deposit Account No. 14-0116 in the amount shown as the total filing fee. The Commissioner is hereby authorized to charge an additional fee which may be required to effect the filing of this application under 37 CFR 1.16, or credit any overpayment to Deposit Account No. 14-0116.

June 30, 2003

(Date)

John H. Kusmiss

(Attorney of Record) (Reg. No.)

NOTE: This form is to be used when filing a new or original application. John H. Kusmiss, Reg. No. 32,149

NASA FORM 1556 DEC 2000 PREVIOUS EDITIONS ARE OBSOLETE.

DOCKET NO.
NPO-20821-1-CU

CERTIFICATE OF MAILING BY "EXPRESS MAIL"
UNDER 37 CFR §1.10 – SEPARATE PAPER –

In Re Application of: Yu Wang

Serial Number TBA

Filed June 30, 2003

For: **MULTIFREQUENCY ULTRA-HIGH RESOLUTION MINIATURE SCANNING MICROSCOPE USING MICROCHANNEL AND SOLID-STATE SENSOR TECHNOLOGIES AND METHOD FOR SCANNING SAMPLES**

Group Art Unit Unknown
Examiner Unknown

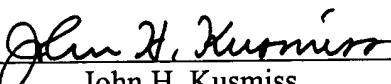
I hereby certify that this paper is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria VA 22313-1450.

I hereby certify that the following were placed in the envelope by me and are enclosed herewith for filing of the Patent Application:

- Transmittal Letter (Original & 1 copy)
- Information Disclosure Statement (2 pages) with PTO Form A820 (2 pages) and 16 patents
- Specification (22 pages including 8 pages of claims), Abstract (1 page), and Drawings (10 Sheets, Figures 17)
- Declaration and Power of Attorney (Original)
- Assignment by Inventor *to CalTech and by CalTech to NASA* (Original) and Transmittal Letters (Original)
- Request and Certification Under 35 U.S.C. §122(b)(2)(B)(i)
- Return Postcard (1)

"Express Mail" mailing label number EV 336023284 US

Date of Deposit: June 30, 2003


John H. Kusmiss
Registration No. 32,149
(818) 354-7770

**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

| | | |
|----------------------|--|-----------------------|
| First Named Inventor | | Yu Wang |
| Title | Multifrequency Ultra-High Resolution Miniature Scanning Microscope Using Microchannel and ... | |
| Atty Docket Number | | NPO 20821-1-CU |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

June 30, 2003

Date

John H. Kusmiss

Signature

John H. Kusmiss

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**